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NRO REVIEW COMPLETED

8705-69
Copy 1 of 1

10 January 1969

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MEMORANDUM FOR: Director, Office of Computer Services, DDS&T

ATTENTION:

SUBJECT: Semiannual Report of Accomplishments in the
Use and Management of ADP

REFERENCE: Memo from Information Processing Coordinator,
Science and Technology, dated 9 December 1968,
Same Subject

1. In response to the memorandum referenced above, the following are the OSA/ADP Programs now in effect and for which reports are attached:

a. The Aircraft Flight Maintenance Data Collection System

b. Mission Survivability Simulation for High Altitude Reconnaissance Vehicles using the Monte Carlo System

2. Additionally, the following are proposed OSA Programs being discussed with [] of your office:

a. OSA Personnel Directories

b. OSA Travel

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GROUP 1
Excluded from automatic
downgrading and
declassification

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3. Per your telephone request, [redacted] extension
[redacted] is designated the OSA-DD/S&T ADP Officer.

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[redacted]
Comptroller
Office of Special Activities

Attachment:

- 1 - Hqs IBM-360 Report
- 2 - OCS/SAD Report

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[redacted]

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Distribution:

- Orig & 1 - Addee w/att
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Attachment 1
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SEMIANNUAL REPORT OF ACCOMPLISHMENTS
IN THE USE AND MANAGEMENT OF ADP
(Reference: BOB Circular A-79)

ADP Unit Hqs IBM-360 Period Covered 1st half of FY
2nd half of FY

SECTION I. ACCOMPLISHMENTS IN THE USE OF DIGITAL COMPUTERS

Describe significant accomplishments with computer-based systems (i.e., computer applications) which were initiated or revised significantly during the report period.

Furnish the information in Parts A and B for each such application separately.

PART A. DESCRIPTION OF COMPUTER-BASED SYSTEM

Agency Program Supported

Category Collection of Intelligence
Subcategory Imagery
Element Photographic
(Subelement, project, etc., if appropriate) IDEALIST

Target Categories and Target Functions:

Overhead Photo Reconnaissance of Communist China
& other denied areas.

System Description. Explicitly describe the system and what it achieves (50 words or less).

The "Aircraft Flight Maintenance Data Collection System" is a compilation of equipment performance by aircraft for each flight; successful/unsuccessful.

For each acft (10); there are over 200 items whose performance is evaluated for each flight. The resultant data is stored and processed by ADP to produce system analysis reports

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PART B. BENEFITS (Explain under one or more of the categories below.)

Manpower. Cite net manpower savings for the customer (user); indicate whether actual or projected (best estimate).

Savings vs. additional manhour figures have not been accumulated to date due to short duration of program. No additional slots required.

Dollars. Cite net dollar savings for the customer (user); indicate whether actual or projected (best estimate).
See other benefits

Service. Explain improvements in service achieved.
Management is now in a position to forecast instead of react.

Achievements. Explain accomplishments not feasible without a computer.

It is now practical to project the degree of reliability that can be attained with [redacted] its numerous components. Forecasts on reliability can be based on analyzing the present operational vehicle performance and equating it to the stage of development of the new article.

Other Benefits. Explain

By highlighting the recurring problem areas to the system contractors and operators, preventive action can be taken "before-the-fact" to preclude system failures resulting in: loss-of-life, equipment and embarrassment to the U.S. Gov't.

Monthly & Qtr'ly Reports [redacted]

1. Record of Aircraft System Performance

A. Data Base For:

1. Acft Sortie Effectiveness Report
2. Analysis of Air/Ground Aborts
3. System Effectiveness Report
4. Report of Successful Systems with Minor Discrepancies by Acft
5. Report of Successful Sorties with Discrepancy Evaluation²⁻

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**SECTION II. ACCOMPLISHMENTS IN THE MANAGEMENT OF ADP
•ACTIVITIES** Not Applicable to Deputy for Materiel

Describe significant accomplishments during the report period that concern management of ADP activities. Explain each accomplishment separately, using the appropriate categories below. Use 50 words or less and quantify the benefits, if feasible (e.g., ADP equipment and manpower savings).

Standardization. Explain achievements in standardizing any element of computer-based systems within or among ADP units.

Integration. Explain achievements in integrating elements of computer-based systems on an interagency or intra-agency basis.

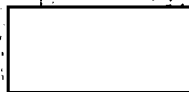
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Research and Development. Explain achievements of R&D or test programs to improve ADP technology, techniques or systems.

Consolidation. Explain accomplishments in consolidating computer facilities or staffs.

Sharing. Explain accomplishments of computer and ADP personnel sharing among ADP components.



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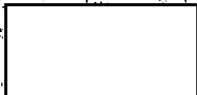
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Excess Equipment. Indicate what ADP equipment has been acquired via the excess property route in lieu of acquiring additional equipment for the Agency.

Indicate the use of excess Government-owned equipment to permit release of rented equipment.

Procurement. Explain the negotiation of equipment procurement contracts under terms more favorable than those provided in the Federal Supply Schedule.

Other. Explain any other ADP management accomplishments.



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SEMIANNUAL REPORT OF ACCOMPLISHMENTS
IN THE USE AND MANAGEMENT OF ADP
(Reference: BOB Circular A-79)

ADP Unit OCS/SAD Period Covered 1st half of FY 69
~~2nd half of FY~~

SECTION I. ACCOMPLISHMENTS IN THE USE OF DIGITAL COMPUTERS

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Furnish the information in Parts A and B for each such application separately.

PART A. DESCRIPTION OF COMPUTER-BASED SYSTEM

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/ Category Collection of Intelligence
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/ Element Photographic
/ (Subelement, project, etc., if appropriate) IDEALIST

Target Categories and Target Functions:

Overhead Photo Reconnaissance of Communist China
and other denied areas.

System Description. Explicitly describe the system and what it achieves (50 words or less).

A mission survivability simulation for high altitude reconnaissance vehicles using the Monte Carlo process.

PART B. BENEFITS (Explain under one or more of the categories below.)

Manpower. Cite net manpower savings for the customer (user); indicate whether actual or projected (best estimate).

Savings Vs. additional manhour figures have not been accumulated to date due to short duration of program.
No additional slots required.

Dollars. Cite net dollar savings for the customer (user); indicate whether actual or projected (best estimate).

See other benefits

Service. Explain improvements in service achieved.

Management is now in a position to forecast instead of react.

Achievements. Explain accomplishments not feasible without a computer.

Reliable estimates of the relative probability of success for a particular mission route are obtained, with an indication of the vulnerability of each route segment and each way point.
Plots of the air and radar order of battle, with the mission route and interceptor activity, are generated automatically and maybe extracted for use on plain white paper, maps, or plastic map overlays as briefing aids.

Other Benefits. Explain

By pointing out the high risk route segments(legs) of a mission route to the Flight Planners, new legs can be designed that might preclude loss of the vehicle and perhaps the life of the pilot.
Reduction of loss probability enhances the overall mission success capability.

SECTION II. ACCOMPLISHMENTS IN THE MANAGEMENT OF ADP

ACTIVITIES Not Applicable to Office of Special Activities

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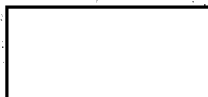
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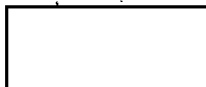
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